

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Construction Engineering Technology

2018

CMY2 Curriculum Modification for 2019-20

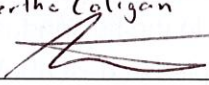
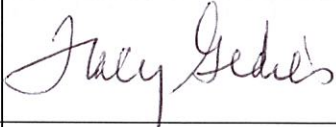

Fanshawe College

Follow this and additional works at: https://first.fanshawec.ca/cae_buildingtech_constructionengtech_documentation

CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Construction Engineering Technology		
Program Number: CMY2	Date Submitted: 11/28/2018	
Dean responsible for program: Vertha Coligan	Chair: Steve Crema	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input type="checkbox"/> Diploma <input checked="" type="checkbox"/> Advanced Diploma <input type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship		
Program Intakes: <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> W <input type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 20192 ✓	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: Click here to enter a date.	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	For Vertha Coligan  Nov 28/18
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	Tracy Geddes Dec 15/18 
Office of the Registrar:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	Amber Harwood Dec 5/18 
Notes: Technology or ? 19/20 - DA Yes <u>Technologies</u> by confirm-		

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

- 1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).**

Update course names and numbers to reflect updated course content in the CMY program.

2.0 Reason/Rationale for Changes

- 2.1 The reason for the change is based on:**

- ☐ A recent program review
- ☒ Program Advisory Committee feedback
- ☒ Student feedback
- ☐ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☒ Trends in the field/industry
- ☐ Other (please describe):

- 2.2 Does the change support the College's Strategic Framework (mission, vision, values)?**

- ☒ Yes
- ☐ No (If no, please explain)

- 2.3 What strategic goal(s) does the proposed change support?**

- ☒ Goal 1 - Enhance innovative practices for exceptional student learning
- ☐ Goal 2 - Manage enrolment growth
- ☐ Goal 3 - Optimize use of resources
- ☐ Goal 4 - Build sustainable sources of alternative revenue

3.0 Students

- 3.1 Will the change affect the cost of the program for students?**

- ☐ Yes
- ☒ No

- 3.2 If yes, there will be an additional cost for:**

- ☐ Materials (Include details):

- ☐ Equipment (Include details):
- ☐ Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

- ☒ Yes
- ☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

- ☒ No
- ☐ Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

- ☒ No
- ☐ Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

- ☐ Lawrence Kinlin School of Business
- ☐ School of Information Technology
- ☐ School of Tourism, Hospitality and Culinary Arts
- ☐ School of Community Studies
- ☐ School of Health Sciences
- ☐ School of Nursing
- ☐ School of Public Safety
- ☐ School of Contemporary Media
- ☐ School of Design
- ☐ School Digital and Performing Arts
- ☐ School of Language and Liberal Studies
- ☐ Donald J. Smith School of Building Technology
- ☐ Norton Wolf School of Aviation Technology
- ☐ School of Applied Sciences and Technology
- ☐ School of Transportation Technology and Apprenticeship
- ☐ Continuing Education
- ☐ Simcoe/Norfolk Regional Campus
- ☐ St Thomas/Elgin Regional Campus
- ☐ Woodstock/Oxford Regional Campus
- ☐ Huron/Bruce Regional Sites

5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

☒ No

☐ Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

☒ No

☐ Yes (If yes, consult with the Co-op office prior to submission)

6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

☒ No

☐ Yes (If yes, please explain)

6.2 Will the proposed change impact any of the Enabling areas?

☒ No

☐ Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

☒ No

☐ Yes (If yes, please explain)

7.0 General College Requirements

7.1 Are changes consistent with Colleges policies?

☒ Yes

☐ No (If no, please explain)

7.2 Will the program meet the General Education requirements (Policy A126) as listed below?

☒ No

☐ Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
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7.3 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- ☐ No
☒ Yes

Note: In accordance with POLICY NUMBER: A122 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

7.4 Indicate:

- i) Total program hours before proposed change: 2016
ii) Total program hours after proposed change: 2016
iii) Level(s) in which the proposed change(s) occurs: Lv 1, Lv 2, Lv 6

7.4.1 Are the total program hours consistent with the requirements as listed below?

- ☒ Yes
☐ No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2100 hours
Graduate Certificate - 600 hours	

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits		
Level 1										
		45	3	Rename/renumber	CONS-1078	Construction Technologies 1	45	3		
COMP-1327	Computer Applications									
MATH-1036	Mathematics in Technology 1									
SFTY-1029	Health & Safety									
COOP-1020	Co-operative Education Employment Prep									
MATS-1028	Methods & Materials 1									
WRIT-1039	Reason & Writing 1-Technology									
CONS-1059	Quantity Surveying 1									
SURV-1010	Construction Surveying 1									
TOTAL		45	3	TOTAL					45	3
Level 2										
ENVR-1017	Sustainability in the Built Environment									
PLUM-1025	Plumbing 1									
CONS-1060	Quantity Surveying 2									
SURV-3017	Construction Surveying 2									
MATH-1196	Mathematics in Technology 2									
MATS-1029	Methods & Materials 2									
CADD-1076	AutoCAD	30	2	Rename/renumber	CONS-3047	Construction T	30	2		
ENGR-1027	Statics & Mechanics									
TOTAL		30	2	TOTAL					30	2
Level 3										
TOTAL		0	0	TOTAL					0	0
Level 4										
TOTAL		0	0	TOTAL					0	0
Level 5										
TOTAL		0	0	TOTAL					0	0
Level 6										
MGMT-5085	Construction Management 2									
PLUM-5009	Plumbing Estimating									
ENGR-5015	HVAC Estimating									
COMP-5067	Computer Estimating 2									
SURV-5006	Construction Surveying 3									

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

		45	3	Rename/renumber	CONS-5036	Construction Technologies 3	45	3		
CONS-5018	Building Information Mod									
CONS-5020	Quantity Surveying & Estimating 4									
TOTAL		45	3	TOTAL			45	3		
PROGRAM TOTAL		120	8	PROGRAM TOTAL					120	8

Degree Audit Report

Catalog: 2019/20
2018/2019

Program: CMY2

Name: Construction Engineering
Technology

Department: BLD - Building Technology

Academic Level: PS

CCD: 9 - 6AcadSem/1800-2100hrs

Credential: Ontario College Advanced Dipl

Grade Scheme: LG2

Major: CMY2 - Construction Eng. Technology

Div: BLD - Building Technology Division

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 137.50

Residency Reqmt: 35.00

GPA Requirement: 2.00

Residency Reqmt GPA: 2.00

Minimum Grade: D

Academic Requirement: CMY2.18 Construction Engineering Technology

Major: CMY1

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CONS - 1078	Construction Technology I			
COMP-1327	Computer Applications	45.00	3.00	
MATH-1036	Mathematics in Technology 1	45.00	3.00	
SFTY-1029	Health & Safety	45.00	3.00	**
COOP-1020	Co-operative Education Employment Prep	6.00	1.00	
MATS-1028	Methods & Materials 1	90.00	5.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	
CONS-1059	Quantity Surveying 1	45.00	3.00	
SURV-1010	Construction Surveying 1	45.00	3.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ENVR-1017	Sustainability in the Built Environment	45.00	3.00	
PLUM-1025	Plumbing 1	45.00	2.50	
CONS-1060	Quantity Surveying 2	60.00	4.00	
SURV-3017	Construction Surveying 2	30.00	2.00	
MATH-1196	Mathematics in Technology 2	30.00	2.00	
MATS-1029	Methods & Materials 2	90.00	5.00	
CONS - 3047	CADD-1076 AutoCAD Construction Technologies II	30.00	2.00	
ENGR-1027	Statics & Mechanics	60.00	4.00	

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

Degree Audit Report

		Total Hours	Total Credits	GE
CONS-3013	Heavy Construction Quantity Surveying	60.00	4.00	
LAWS-1030	Contracts in Society	45.00	3.00	**
CONS-3025	Formwork Systems	45.00	3.00	
ELEC-1139	Electrical 1	30.00	2.00	
ENGR-1028	HVAC 1	30.00	2.00	
CONS-3026	Quantity Surveying & Estimating 1	60.00	4.00	
ENGR-3017	Wood Design	60.00	3.50	

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
LAWS-3001	Construction Contracts & Specifications	60.00	4.00	
ENGR-3018	HVAC 2	30.00	2.00	
CONS-3027	Quantity Surveying & Estimating 2	60.00	4.00	
ENGR-3019	Concrete Design	60.00	3.50	
CONS-3024	Site Logistics	45.00	3.00	
ECON-1022	Building Economics 1	60.00	4.00	

Subrequirement: Level 5

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CONS-3010	Building Science	30.00	2.00	
MGMT-3080	Construction Management 1	60.00	4.00	
COMM-5005	Technical Report Prod for Bldg Tech'y	30.00	2.00	
ELEC-5041	Electrical Estimating	30.00	2.00	
CONS-5019	Quantity Surveying & Estimating 3	60.00	4.00	
COMP-1500	Computer Estimating 1	15.00	1.00	
ENGR-5014	Steel Design	45.00	3.00	
ECON-5005	Building Economics 2	60.00	4.00	

Subrequirement: Level 6

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MGMT-5085	Construction Management 2	60.00	3.00	
PLUM-5009	Plumbing Estimating	30.00	2.00	
ENGR-5015	HVAC Estimating	30.00	2.00	
COMP-5067	Computer Estimating 2	30.00	2.00	
SURV-5006	Construction Surveying 3	30.00	2.00	
CONS-5018	Building Information Modelling	45.00	3.00	
CONS-5020	Quantity Surveying & Estimating 4	60.00	4.00	

Subrequirement: Gen Ed - Electives

Take 6 General Education Credits - Normally taken in Levels 3 and 4

Subrequirement: Program Residency

Students Must Complete a Minimum of 35 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Degree Audit Report

Approved By Chair/Manager:

For Verthe Coligan:

Approved by Dean:

General Education Approved By(as appropriate):

Department and Date:

Date:

Date:

BLD - Nov 28/18

Nov 28/18

Del for H'19